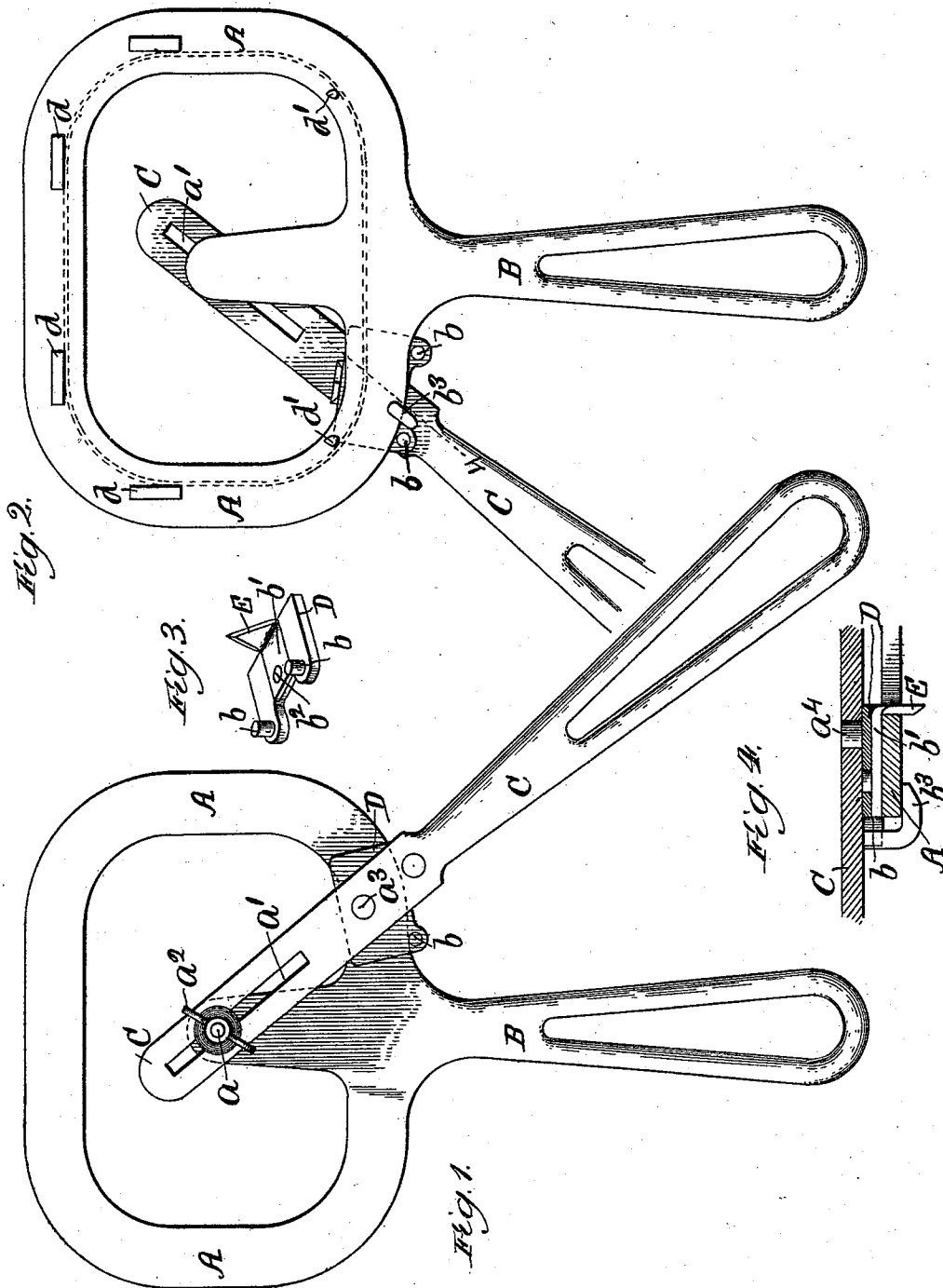


(No Model.)

W. L. SCOVILLE.
CAN OPENER.

No. 496,448.

Patented May 2, 1893.



Witnesses:

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UNITED STATES PATENT OFFICE.

WASHINGTON L. SCOVILLE, OF CHICAGO, ILLINOIS.

CAN-OPENER.

SPECIFICATION forming part of Letters Patent No. 496,448, dated May 2, 1893.

Application filed August 17, 1891. Serial No. 402,882. (No model.)

To all whom it may concern:

Be it known that I, WASHINGTON L. SCOVILLE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Can-Openers, of which the following is a full, clear, and exact description, that will enable others to make and use the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a plan; Fig. 2 the reverse of Fig. 1; Fig. 3 a detached detail of the cutting-blade and holder; and Fig. 4 a broken-away section on line 4 Fig. 2.

This invention relates to improvements in can-openers, and has for its object to provide a device of this character that is more especially intended for use on cans other than those of a cylindrical form, such as "sardine" cans and the like.

Referring to the drawings, A represents an elongated frame having the handle part B formed integral therewith. This frame is of a contour corresponding to that of a sardine can, the frame and handle part consisting of a single casting. The inner end of the fixed handle B is provided on the upper side with the pivot-pin a , (Fig. 1,) which secures the movable handle-member C to the companion member. The handle-member C is provided in its inner end with the elongated slot a' through which the connecting pivot joint pin projects, the projecting end of said pin being screw threaded for the engagement of the thumb holding or clamping-nut a^2 , as shown in Fig. 1. Ordinarily the clamping-nut will be set loosely so that the handle C will have an endwise movement and provide for an automatic adjustment in following the contour of the frame part in the operation of opening a can.

The cutting-blade holder or plate D is set in the upper side of the frame A and secured to the carrying-handle C by the pivot-pin a^3 , inserted in the aperture a^4 , which permits the holder to adjust itself and conform to the frame as it is caused to traverse the same. The two outer corners of the blade or knife-holder are provided with the guide-pins b b , which extend down along the edge of the

frame and serve to assist in retaining these parts in their proper relative positions.

The cutting-blade E is of a triangular shape, having double edges so as to cut in either direction that the carrying-handle is moved. This blade is provided with the shank b' and is riveted to the holder as at b^2 . The cutting-point of the blade projects below the inner edge of the frame, as shown in Figs. 2 and 4. One end of the guide-hook b^3 is rigidly inserted in the under side of the carrying-handle; the lower end passing underneath and having loose contact with the under side of the frame part and assisting in retaining the holder in proper position. The under side of the frame is also provided with a number of downwardly projecting lugs d , which are adapted to bear against the edge of the can and retain the frame in place during the operation. The prick-points d' d' can be forced into the metal and also assist in holding the frame in place.

The frame may be of any desired shape so as to correspond to the contour of any particular class of cans. The dotted lines indicate the relative position of the can.

This arrangement provides a device by means of which, "sardine" cans may be opened with the greatest ease and facility.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a can-opener, the combination with a frame and integral handle-member, of the companion handle-member, provided with an elongated slot and secured to the integral handle by a pivot-pin passing through said slot, and the holder, loosely seated upon said frame and pivoted to the slotted handle, whereby said slotted handle is adapted to have an automatic endwise adjustment to conform to the contour of the frame part, substantially as and for the purpose described.

2. In a can-opener, the combination with the frame, of the movable handle-member, having an automatic endwise adjustment on its pivot, the holder, seated on said frame and pivoted to said handle-member, the cutting-blade, fixed in said holder and projecting down along the inner edge of said frame, and the guide-pins, inserted in the outer corners

of the holder and engaging with the corresponding edge of said frame, substantially as and for the purpose set forth.

3. In a can-opener, the combination with
5 the frame, provided with holding-lugs on the underside and the integral handle part, of the movable slotted handle, having an endwise movement on its pivot, the cutting-blade,

loosely secured to the movable handle, and the guide-finger, inserted in said handle and bearing against the under side of said frame, substantially as and for the purpose set forth. 10

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Witnesses:

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